

## IN THE CLAIMS

1. (currently amended) A method of screening for candidate therapeutic agents, ~~useful in the treatment of a disease selected from disorders of the peripheral and central nervous system, cardiovascular diseases, cancer, liver disease and genitor-urinary diseases in a mammal~~ comprising the steps of;

- i) contacting a test compound with a PDE11A polypeptide,
- ii) detecting binding of said test compound to said PDE11A polypeptide, and
- iii) identifying the test compound as a candidate therapeutic agent useful in the treatment of a disease selected from the group consisting of disorders of the peripheral and central nervous system, cardiovascular diseases, cancer, liver disease, and genitourinary disease if the test compound binds to said PDE11A polypeptide.

2-3. (canceled)

4. (previously presented) The method of claim 1, wherein the step of contacting is in or at the surface of a cell.

5. (currently amended) The method of claim 4 ~~+~~, wherein the cell is in vitro.

6. (previously presented) The method of claim 1, wherein the step of contacting is in a cell-free system.

7. (previously presented) The method of claim 1, wherein the polypeptide is coupled to a detectable label.

8. (previously presented) The method of claim 1, wherein the compound is coupled to a detectable label.

9. (previously presented) The method of claim 1, wherein the test compound displaces a ligand which is first bound to the polypeptide.

10. (previously presented) The method of claim 1, wherein the polypeptide is attached to a solid support.

11. (previously presented) The method of claim 1, wherein the compound is attached to a solid support.

12-26. (canceled)